



**B.Tech - Odd Sem : End Semester Exam**  
**Academic Year:2020-2021**  
**19CS2211 - Software Engineering**  
**Set No: 2**

<b>Time:</b>		<b>Max.Marks: 100</b>					
S.NO	Answer All Questions	Choice	Options	Marks	CO	CO BTL	COI BTL
1.	In what way Software Engineering is useful and Explain in detail about Software Process	choice Q-2		10Marks	CO1	2	1
2.	Define Reverse Engineering and sketch the process of reverse engineering with a help of a neat diagram.			10Marks	CO1	2	2
3.	Answer 3 or 4	choice Q-4		15Marks	CO1	2	2
3.A.	Discuss the practitioner's myths and explain them with realities?			8Marks	CO1	2	2
3.B.	Explain the importance of specialized process models.			7Marks	CO1	2	1
4.	Answer 3 or 4			15Marks	CO1	2	2
4.A.	Classify the phases of the unified process model and explain in detail.			8Marks	CO1	2	2
4.B.	Explain how umbrella activities helpful while developing the software.			7Marks	CO1	2	1
5.	Model the Life Cycle process of XP and Summarize the comments on lifecycle phases	choice Q-6		10Marks	CO2	3	1
6.	Give a Plan for establishing the ground work in requirement engineering			10Marks	CO3	4	2
7.	Answer 7 or 8	choice Q-8		15Marks	CO2	3	3
7.A.	How some of the problems that occur when requirements must be elicited from three or four different customers.			8Marks	CO2	3	3
7.B.	Design a usecase diagram for ATM system with procedure.			7Marks	CO2	3	2
8.	Answer 7 or 8			15Marks	CO2	3	3
8.A.	Inspect the process of analyzing the requirements for a given application to pave the way for design			8Marks	CO2	3	3
8.B.	Analyze the concept of Elements of the Requirements Model			7Marks	CO3	4	2
9.	List various steps involved in Scrum software development methodology	choice Q-10		10Marks	CO3	4	3
10.	List out three columns that are present on classic kanban board model			10Marks	CO3	4	2
11.	Answer 11 or 12	choice Q-12		15Marks	CO3	4	4
11.A.	Elaborate various practices and values of Scrum Software Development Methodology.			8Marks	CO3	4	3
11.B.	Elaborate in detail "Requirements Modeling for			7Marks	CO3	4	3

	WebApps” including the modeling, requirements elicitation and analysis phases by drawing various required artifacts						
12.	Answer 11 or 12			15Marks	CO3	4	4
12.A.	Summarize various strategic approaches that are used in software Testing.			8Marks	CO3	4	4
12.B.	Construct an activity diagram for deposit the money from bank atm			7Marks	CO3	4	3
13.	Examine the features of JUnit and its pros, cons in the TDD	choice Q-14		10Marks	CO4	4	2
14.	Outline various characteristics of a well-formed design class for a software			10Marks	CO4	4	3
15.	Answer 15 or 16	choice Q-16		15Marks	CO4	4	4
15.A.	Draw a block diagram to explain how software testing is carried out in software development methodology.			8Marks	CO4	4	4
15.B.	Explain how Test Driven Development is advantageous compared to a traditional function driven development.			7Marks	CO4	4	3
16.	Answer 15 or 16			15Marks	CO4	4	4
16.A.	Explain the 5 core steps of Six Sigma Methodology.			8Marks	CO4	4	3
16.B.	With an appropriate diagram list various steps involved in Test Driven Development			7Marks	CO4	4	3

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